ORDER NO. ACED9605467
C1

Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

CQ-E11EUCS

Auto Reverse Cassette Player / Receiver

SPECIFICATIONS*

General

Power Supply	: 12V DC (11~16V), Test Voltage 14.4V, Negative Ground
Maximum Power Output	: 7.5W×2, 4W×4 channels
EIA Power Output	: 3W×2 (4Ω, 20~30,000Hz at 1% T.H.D.)
Current Consumption	: Less than 1.5A (Tape mode, 0.5W 4-speaker)
Speaker Impedance	: 4Ω (4~8Ω acceptable)

AM Radio

Frequency Range	: 530kHz~1,710kHz
Usable Sensitivity	: 28dB/μV (25μV, S/N20dB)

FM Stereo Radio

Frequency Range	: 87.9MHz~107.9MHz
Usable Sensitivity	: 15.2dBf. (1.6μV, 75 ohms)
Frequency Response	: 30 to 15,000Hz (±3dB)
Alternate Channel Selectivity	: 75dB
Stereo Separation	: 35dB at 1kHz
Signal to Noise Ratio	: 70dB

Tape Player

Reproduction System	: 4-Track, 2-Program Stereo
Tape Speed	: 1-7/8"/sec. (4.76 cm/sec.)
Fast Forward Time	: Less than 180 sec. (C-60)
Rewind Time	: Less than 180 sec. (C-60)
Frequency Response	: 35~14,000Hz, ±3dB (Normal)
Wow and Flutter	: 0.12% (WRMS)
Signal to Noise Ratio	: 52dB

Dimensions**	: 7"(W)×1-15/16"(H)×5-7/8"(D) (178(W)×50(H)×150(D) mm)
Weight**	: 3lbs 3oz (1.45kg)

* Specifications and the design are subject to possible modification without notice due to improvements.

** Dimensions and Weight shown are approximate.

• Above specifications comply with EIA standards.

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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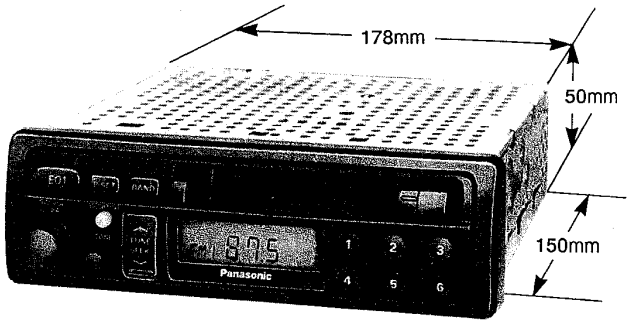
FEATURES

- PLL (Phase Locked Loop) Synthesized Tuning.
- Memory buttons for preset stations 6-AM/12- FM (FM1, 2).
- Auto preset and scan function.
- Auto reverse cassette player.
- Clock function.

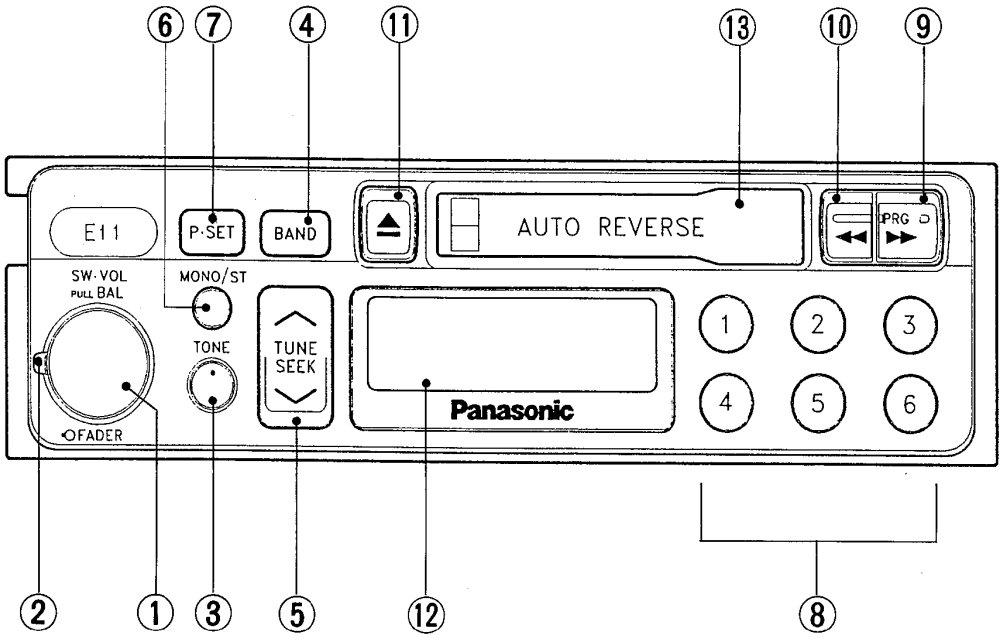
FUSE

- Be sure to use a fuse of specified rating (3A) when replacing a blown fuse .
  Fuses rated at higher capacity, use of any substitute, or connection without a fuse may result in a fire hazard or damage to the unit.

DIMENSIONS



NAME AND FUNCTION OF EACH PARTS



No.	Indication	Function
①	Turn SW	• Power ON/OFF.
	VOL	• Increase/Decrease of volume.
	BALANCE	• Volume's Right-Left balance adjustment.
②	FADER	• Volume's Front-Rear balance adjustment.
③	TONE	• Tone adjsutment.
④	BAND	• Band selection AM/FM1/FM2 .
⑤	TUNE	• Changes selected frequency manually.
	SEEK	• Automatic station selection.
⑥	MONO/ST	• Changes Monaural/Stereo.

No.	Indication	Function
⑦	AUTO PRESET	• Automatic station selection preset.
⑧	1, 2, 3, 4, 5, 6	• Calls the selected frequency inputted in each switch.
⑨	FF	• Fast-Forward the tape.
⑩	REW	• Rewind the tape.
⑪	EJECT	• Cassette tape eject.
⑫	——	• LCD display.
⑬	——	• Cassette slot.

OPERATION OF CONTROLS

1. POWER SWITCH AND VOLUME CONTROL

	Operation	Working
1	• Turn the Power SW knob ① to the right. • Turn the Power SW knob ① to the left.	• Power is on. • Power is off.
2	• Turn the volume knob ① to the right. • Turn the volume knob ① to the left.	• Increase the volume. • Decrease the volume.

2. BALANCE AND FADER CONTROL

	Operation	Working
1	• Pull and turn the BALANCE knob ① to the right. • Pull and turn the BALANCE knob ① to the left.	• The sound volume shift to the right speakers. • The sound volume shift to the left speakers.
2	• Turn the FADER knob ② to the right. • Turn the FADER knob ② to the left.	• The sound volume shift to the front speakers. • The sound volume shift to the rear speakers.

3. TONE CONTROL

	Operation	Working
1	• Turn the TONE knob ③ to the right. • Turn the TONE knob ③ to the left.	• High-tone emphasis. • Low-tone emphasis.

4. RADIO FUNCTION

1) BAND SELECTION

	Operation	Working
1	• Press the BAND button ④.	• The radio band changes as below whenever the button is pressed. →FM1→FM2→AM

2) MANUAL TUNING

	Operation	Working
1	• Press the button ∧ ⑤.	• Frequency tune upward.
2	• Press the button ∨ ⑤.	• Frequency tune downward.

3) SEEK TUNING

	Operation	Working
1	• Press and hold the button ∧ ⑤ more than 0.5 sec.	• Seek tuning upward will operate and will stop on the next station.
2	• Press and hold the button ∨ ⑤ more than 0.5 sec.	• Seek tuning downward will operate and will stop on the next station.

4) PRESET STATION

	Operation	Working
1	• Press the button ⑧ for several seconds.	• 18-station (6-FM1, 6-FM2, 6-AM) preset.

5) SCAN PRESET STATION

	Operation	Working
1	• Press the AUTO PRESET button ⑦.	• Each preset station is scanned for about 5 seconds and the radio frequency is blinking on the display panel. • When reaching the desired preset station, press the "AUTO PRESET " button again.

6) AUTO PRESET AND SCAN (for FM2 only)

	Operation	Working
1	• Press the BAND button ④ and select FM2. • Press the AUTO PRESET button ⑦and hold it for more than 2 sec.	• Up to six strongest stations along the frequency band will automatically memorize into six preset stations (1~6) of FM2.

5. TAPE CONTROLS

1) FF, REW

	Operation	Working
1	• Push the FF button ⑨.	• Tape is fast-forward.
	• Push the REW button ⑩.	• Tape is rewind.

2) TAPE PROGRAM SELECTOR (PRG)

	Operation	Working
1	• Push the FF and REW button (⑨, ⑩).	• Playing tape side is changed.

3) EJECT

	Operation	Working
1	• Push the EJECT button ⑪.	• Cassette is ejected.

6. SETTING THE TIME

	Operation	Working
1	• Press and hold BAND button ④ for more than 2 seconds, "1 : 00" will blink on the display.	
2	• Press the TUNE ∨ button ⑤.	• "hour" setting.
	• Press the TUNE ∧ button ⑤.	• "minute" setting.
	• If the TUNE ∧ or ∨ button is pressed for more than a half second, the "hour" or "minutes" will count up rapidly in sequence until the button is released.	

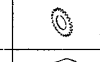
3	• The time is always displayed after the clock is set.
	• When the following buttons are pressed, the radio frequency will be displayed ;
	  • Preset (1~6) : ⑧
	  • TUNE/SEEK : ⑤
	  • BAND : ④	

TROUBLESHOOTING TIPS

PROBLEM	POSSIBLE CAUSE	PROBABLE SOLUTION
Unit won't turn on.	Dead vehicle battery. Ignition not on. Bad power line connection. Fuse burned out.	Charge vehicle battery. Turn ignition to On or Accessory. Check connections. Replace fuse.
Radio has static.	Antenna not hooked up. Close to high power lines.	Hook up antenna. Move away from high power lines.
Balance control doesn't work.	Not pulling and holding knob while turning control.	Pull and hold knob out while adjusting balance.
Radio memory buttons don't work	Not holding buttons down long enough.	Press and hold buttons for more than 2 seconds.
Tape sound quality is poor.	Head are dirty. Poor quality tape.	Clean heads. (Ask a service representative for advice.) Use better quality tape.
Tape won't change programs.	Not pressing FF and REW buttons at the same time.	Press FF and REW buttons at the same time.

Installation Guide

☐ Installation Hardware

No.	Item	Diagram	Qty
①	Mounting Collar		1
②	Plain Washer (5 mmϕ)		2
③	Spring Washer (5 mmϕ)		2
④	Hex. Nut (5 mmϕ)		2
⑤	Rear Support Strap		1
⑥	Hex. Bolt (5 mmϕ x 25 mm)		1
⑦	Toothed Lock Washer (5 mmϕ)		1
⑧	Rubber Cushion		1
⑨	Power Connector		1
⑩	Trimplate		1

CAUTION: This unit will operate with a 12 volt DC negative ground auto battery system only. Do not attempt to use it in any other system. Doing so could cause serious damage.

☐ Required Tools

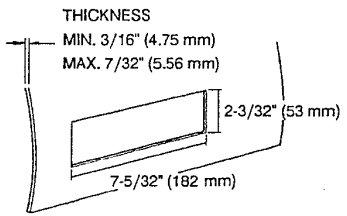
You'll need a screwdriver, a 1.5 volt AA battery, and the following:

12 V DC TEST BULB

ELECTRICAL TAPE

SIDE-CUT PLIERS

☐ Dashboard Specifications



☐ Identify All Leads

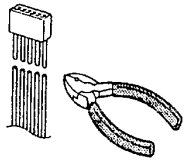
The first step in installation is to identify all the vehicle wires you'll use when hooking up your sonud system.

As you identify each wire, we suggest that you label it using masking tape and a permanent marker. This will help avoid confusion when making connections later.

NOTE: Do not connect the stereo unit to the quick release bracket until you have made all connections. If there are no plastic caps on the stereo hooking wires, insulate all exposed leads with electrical tape until you are ready to use them. Identify the leads in the following order.

Power Lead

If your vehicle has a radio or is pre-wired for one: Cut the connector plug off (leaving the leads as long as possible) so that you can work with individual leads.



Turn the ignition on to the accessory position, and ground one lead of the test bulb to the chassis.

Touch the other lead of the test bulb to each of the exposed wires from the cut radio connector plug. Touch one wire at a time until you find the outlet that causes the test bulb to light.

Now turn the ignition off and then on. If the bulb also turns off and on, that outlet is the vehicle power lead.

If your vehicle is not wired for an audio unit : Go to the fuse block and find the fuse port for radio (RADIO), accessory (ACC), or ignition (IGN).

Battery Lead

If your stereo unit has a yellow lead, you will need to locate the car's battery lead. Otherwise you may ignore this procedure. (The yellow battery lead provides continuous power to maintain a clock, memory storage, or other function.)

If your vehicle has a radio or is pre-wired for one: With the ignition and headights off, identify the car battery lead by grounding one lead of the test bulb to the chassis and checkinnng the remaining exposed wries from the cut radio connector plug.

If your vehicle is not wired for an audio unit : Go to the fuse block and find the fuse port for the battery usually marked BAT.

Speakers

Identify the car speaker leads. There will be two leads for each speaker, usually color coded.
A handy way to indentify the speaker leads and the speaker they connect with is to test the leads using a 1.5 volt AA battery as follows.

Hold one lead against one pole of the battery and stroke the other lead across the other pole. You will hear a scraping sound in a speaker if you are holding a speaker lead. If not, keep testing different lead combinations until you have located all the speaker leads. When you label them, include the speaker location for each.

Antenna Motor

If your vehicle is equipped with an automatic power antenna, identify the vehicle motor antenna lead by connecting one bulb tester lead to the vehicle battery lead and touching the remaining exposed wires from the cut radio connector plug one at a time. You will hear the antenna motor activate when you touch the correct wire.

Antenna

The antenna lead is a thick, black wire with a metal plug at the end.

☐ Connect All Leads

Now that you have identified all the wires in the vehicle, you're ready to begin connecting them to the stereo unit wires. The connection diagram on the next page shows the proper connections and color coding of the leads.

We strongly recommend that you test the unit before making a final installation.
You can set the unit on the floor and make temporary connections to test the unit. Use electrical tape to cover all exposed wires.

IMPORTANT : Connect the red power lead last, after you have made and insulated all other connections.

Ground

Connect the black ground lead from the quick release bracket to the metal vehicle chassis.

Speakers

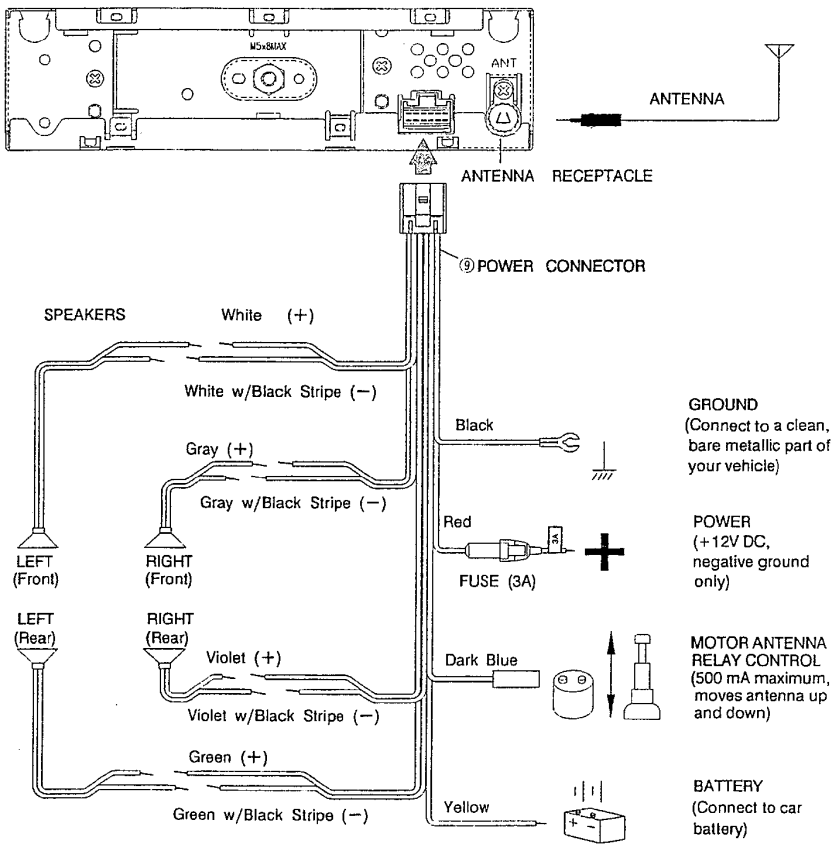
Connect the speaker wires. See the wiring diagram for the proper hookups. Follow the diagram carefully to avoid damaging the speakers and the stereo unit.

The speakers used must be able to handle more than 7.5 watts of audio power. If using an optional audio amplifier, the speakers should be able to handle the maximum amplifier output power. Speakers with low input ratings can be damaged.

Speaker impedance should measure 4-8 ohms, which is typically marked on most speakers. Lower or higher impedance speakers will affect output and can cause both speaker and stereo unit damage.

Caution:
- To prevent damage to the unit, be sure to follow the connection diagram below.
- Be sure to insulate any exposed wires from a possible short-circuit from the car chassis. Bundle all cables and keep cable terminals free from touching any metal parts.

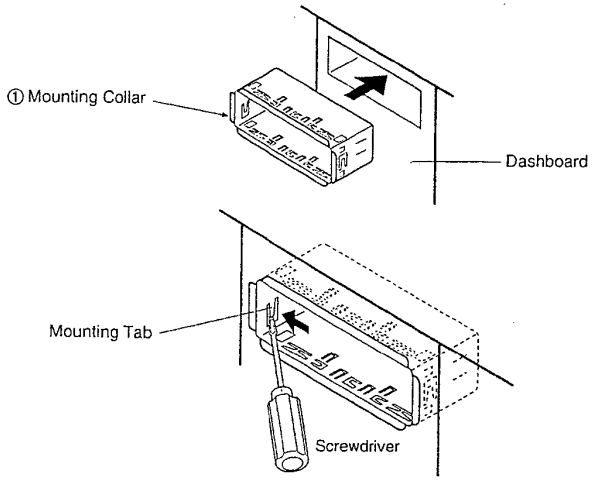
CQ-E11EUCS



□ Installation Procedures

1. Secure the Mounting Collar ①.

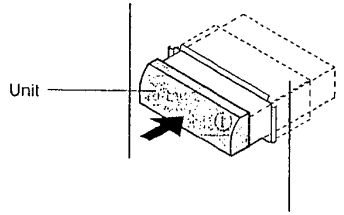
Insert Mounting Collar ① into the car's dashboard, and bend mounting tabs out with a screwdriver.



2. Secure the rear of the unit.

a) Check the electrical connection by referring to this operating instructions.

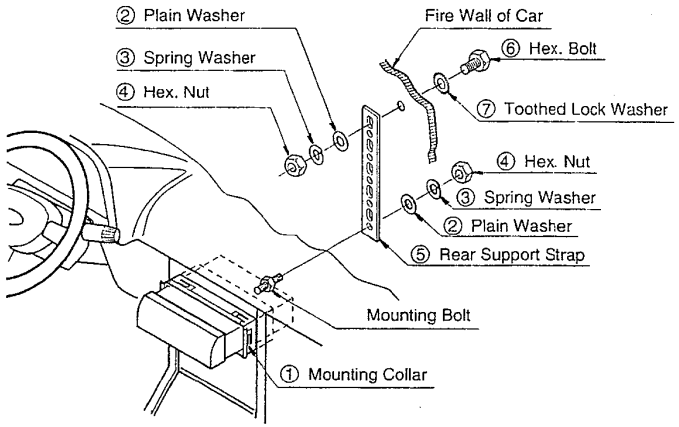
b) Insert the unit into Mounting Collar ① and push it in until "click" is heard.



c) Secure the rear of the unit to the car by either of the two recommended methods on the next page.

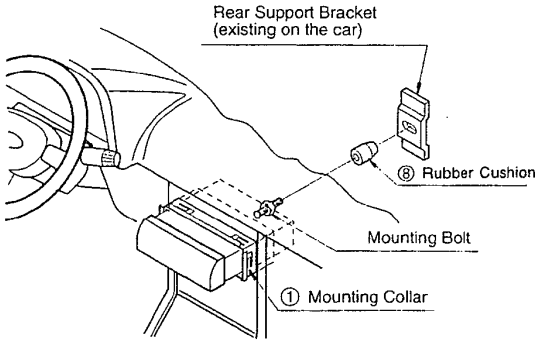
☐ Using the Rear Support Strap ⑤

Affix one end of the Rear Support Strap ⑤ to the rear of the unit, and the other end to the Fire Wall of Car, or some other metallic area.

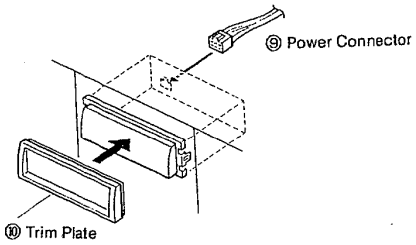


☐ Using the Rubber Cushion

(If there is an existing Rear Support Bracket on the Fire Wall of Car.)
Cover Mounting Bolt on the rear of the unit with Rubber Cushion ⑧ and mount it into the existing Rear Support Bracket.

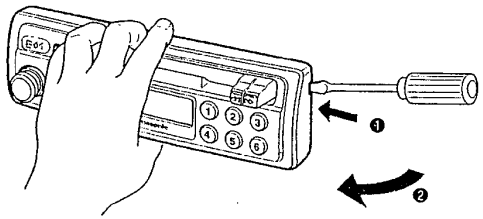


3. a) Plug the Power Connector ⑨.
b) Install the Trim Plate ⑩.

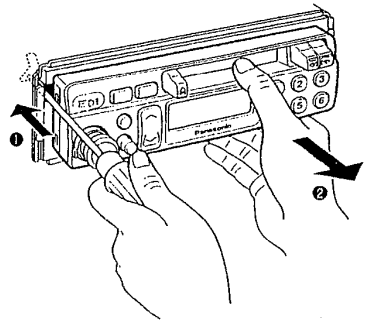


■ To Remove the Unit

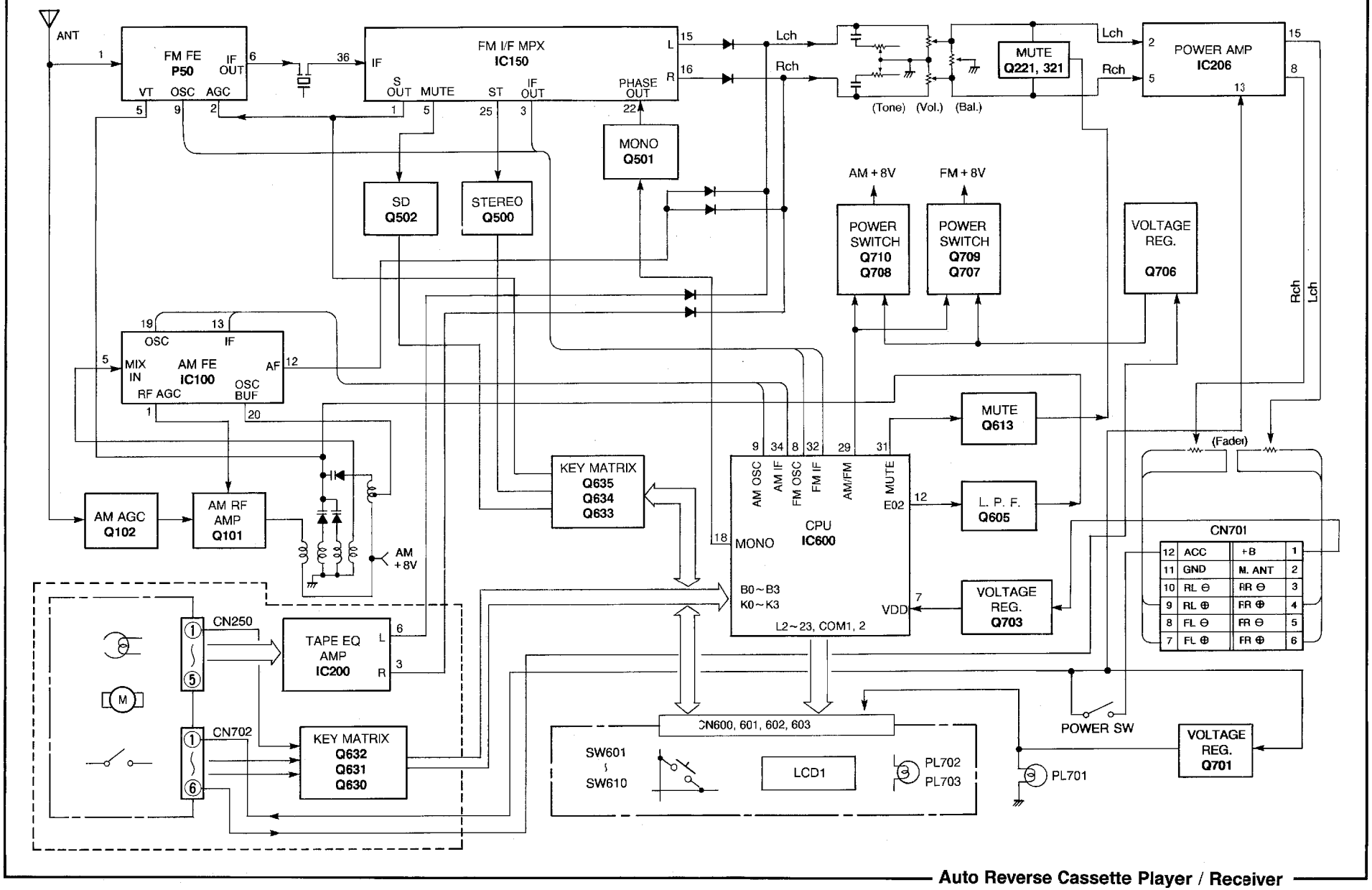
a) Remove the trim plate with a screwdriver as shown in the figure.



b) Pull out the unit while pushing the lock lever using a screwdriver.



BLOCK DIAGRAM MODEL CQ-E11EUCS



12	ACC	+B	1
11	GND	M. ANT	2
10	RL ⊖	RR ⊖	3
9	RL ⊕	RR ⊕	4
8	FL ⊖	FR ⊖	5
7	FL ⊕	FR ⊕	6

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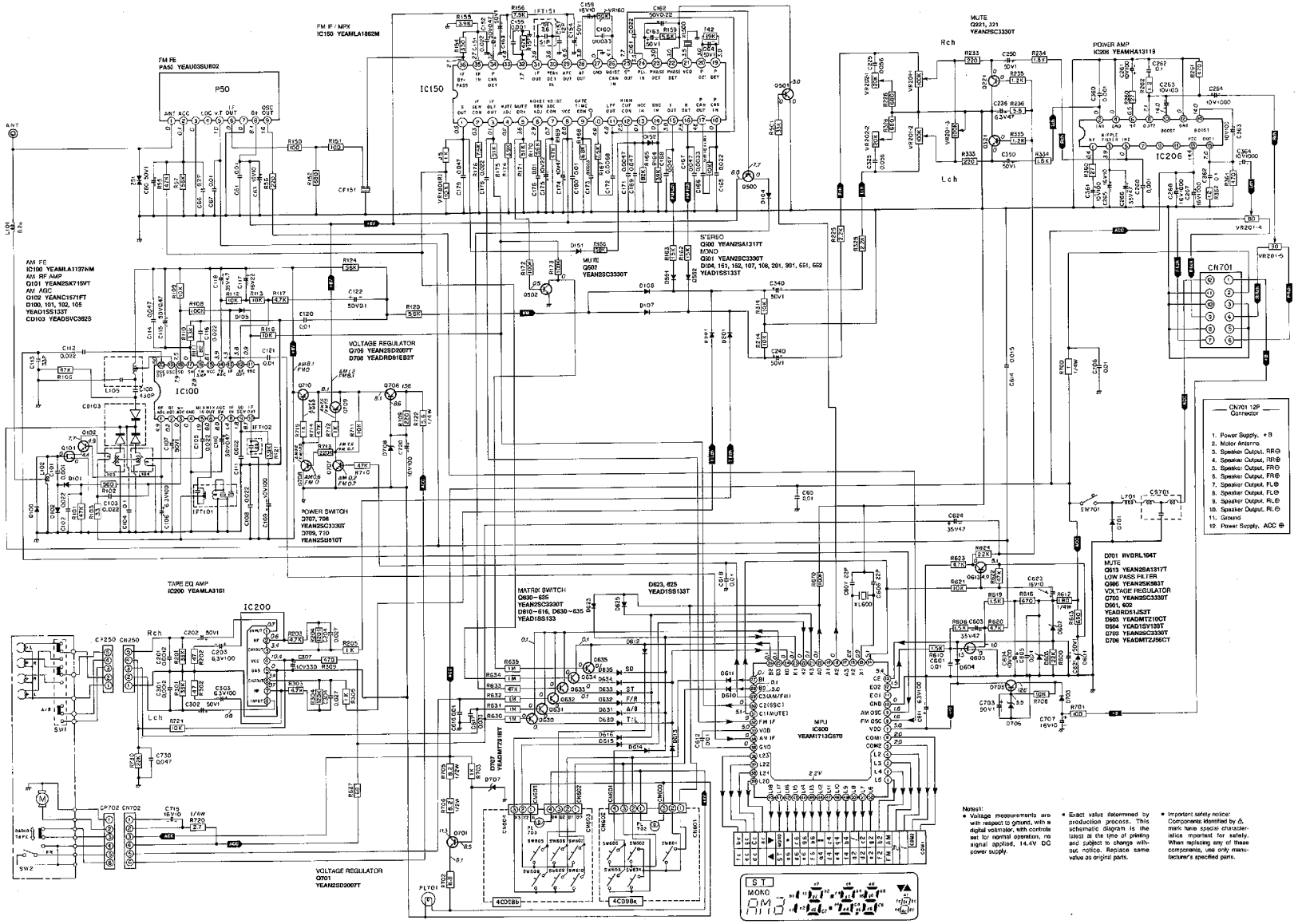
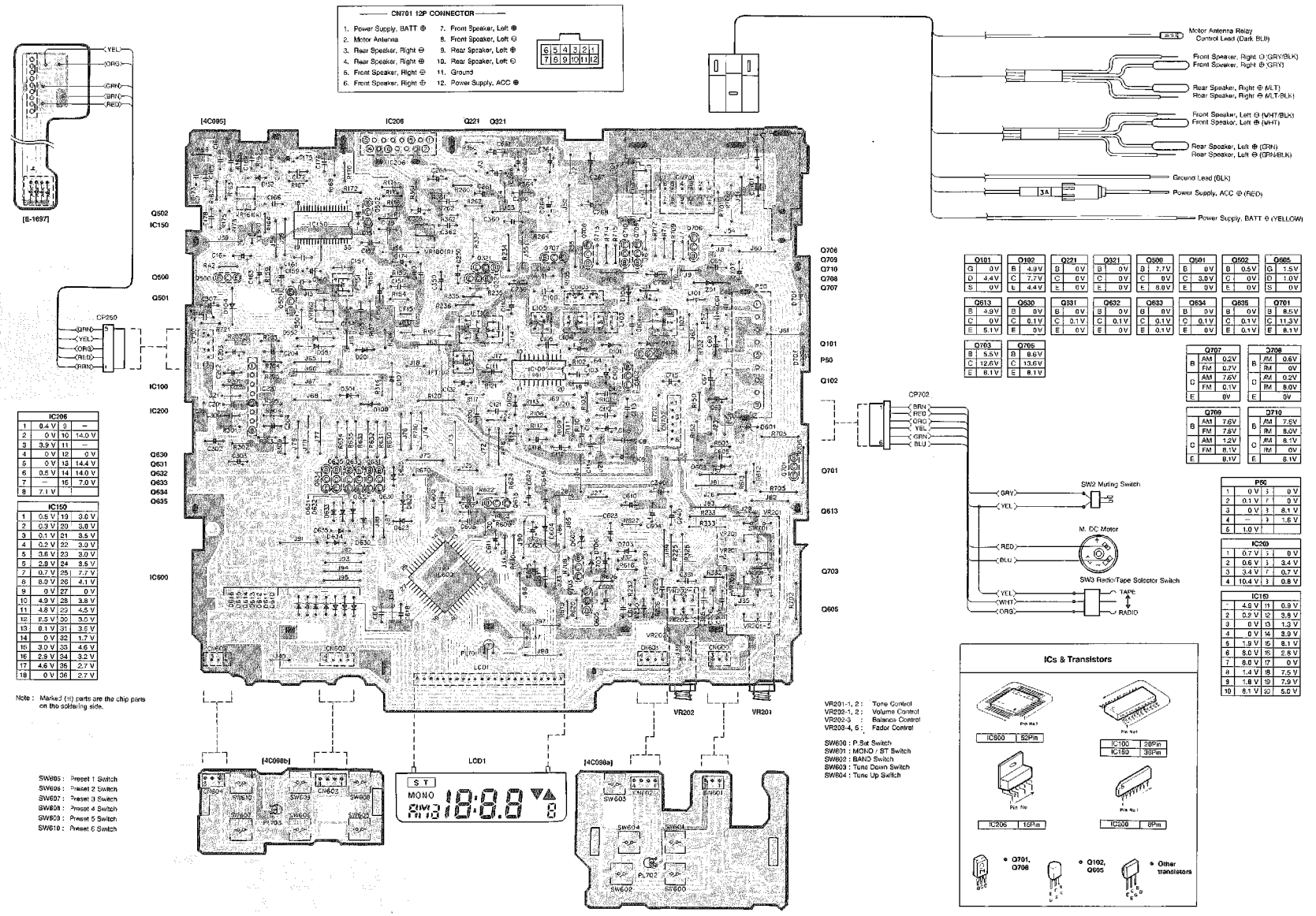
SCHEMATIC DIAGRAM MODEL CQ-E11EUCS



Auto Reverse Cassette Player / Receiver

WIRING DIAGRAM MODEL CQ-E11EUCS



IC206			
1	0.4 V	9	–
2	0 V	10	14.0 V
3	3.9 V	11	–
4	0 V	12	0 V
5	0 V	13	14.4 V
6	0.5 V	14	14.0 V
7	–	15	7.0 V
8	7.1 V		

IC150			
1	0.5 V	19	3.0 V
2	0.3 V	20	3.0 V
3	0.1 V	21	3.5 V
4	0.2 V	22	3.0 V
5	3.6 V	23	3.0 V
6	2.9 V	24	3.5 V
7	0.7 V	25	7.7 V
8	8.0 V	26	4.1 V
9	0 V	27	0 V
10	4.9 V	28	3.8 V
11	4.8 V	29	4.5 V
12	8.5 V	30	3.0 V
13	0.1 V	31	3.6 V
14	0 V	32	1.7 V
15	3.0 V	33	4.6 V
16	2.9 V	34	3.2 V
17	4.6 V	35	2.7 V
18	0 V	36	2.7 V

Note : Marked (⊞) parts are the chip parts on the soldering side.

Q101		Q102		Q221		Q321		Q500		Q501		Q502		Q605	
G	0V	B	4.9V	B	0V	B	0V	B	7.7V	B	0V	B	0.5V	G	1.5V
D	4.4V	C	7.7V	C	0V	C	0V	C	0V	C	3.0V	C	0V	D	1.0V
S	0V	E	4.4V	E	0V	E	0V	E	8.0V	E	0V	E	0V	S	0V

Q613		Q630		Q631		Q632		Q633		Q634		Q635		Q701	
B	4.9V	B	0V	B	0V	B	0V	B	0V	B	0V	B	0V	B	8.5V
C	0V	C	0.1V	C	0.1V	C	0.1V	C	0.1V	C	0.1V	C	0.1V	C	11.3V
E	5.1V	E	0V	E	0V	E	0V	E	0.1V	E	0V	E	0.1V	E	8.1V

Q703		Q705	
B	5.5V	B	8.6V
C	12.6V	C	13.6V
E	8.1V	E	8.1V

Q707			Q708		
B	AM	0.2V	B	AM	0.6V
	FM	0.7V		FM	0V
C	AM	7.6V	C	AM	0.2V
	FM	0.1V		FM	8.0V
E		0V	E		0V

Q709			Q710		
B	AM	7.6V	B	AM	7.6V
	FM	7.5V		FM	8.0V
C	AM	1.2V	C	AM	8.1V
	FM	8.1V		FM	0V
E		8.1V	E		8.1V

P50			
1	0 V	5	0 V
2	0.1 V	6	0 V
3	0 V	7	8.1 V
4	–	8	1.6 V
5	1.0 V		

IC200			
1	0.7 V	5	0 V
2	0.6 V	6	3.4 V
3	3.4 V	7	0.7 V
4	10.4 V	8	0.8 V

IC100			
1	4.8 V	11	0.9 V
2	0.2 V	12	3.8 V
3	0 V	13	1.3 V
4	0 V	14	3.9 V
5	1.9 V	15	8.1 V
6	8.0 V	16	2.8 V
7	8.0 V	17	0 V
8	1.4 V	18	7.5 V
9	1.8 V	19	7.9 V
10	8.1 V	20	5.0 V

■ IC600 YEAM1713G670

• Name of terminals description of connection

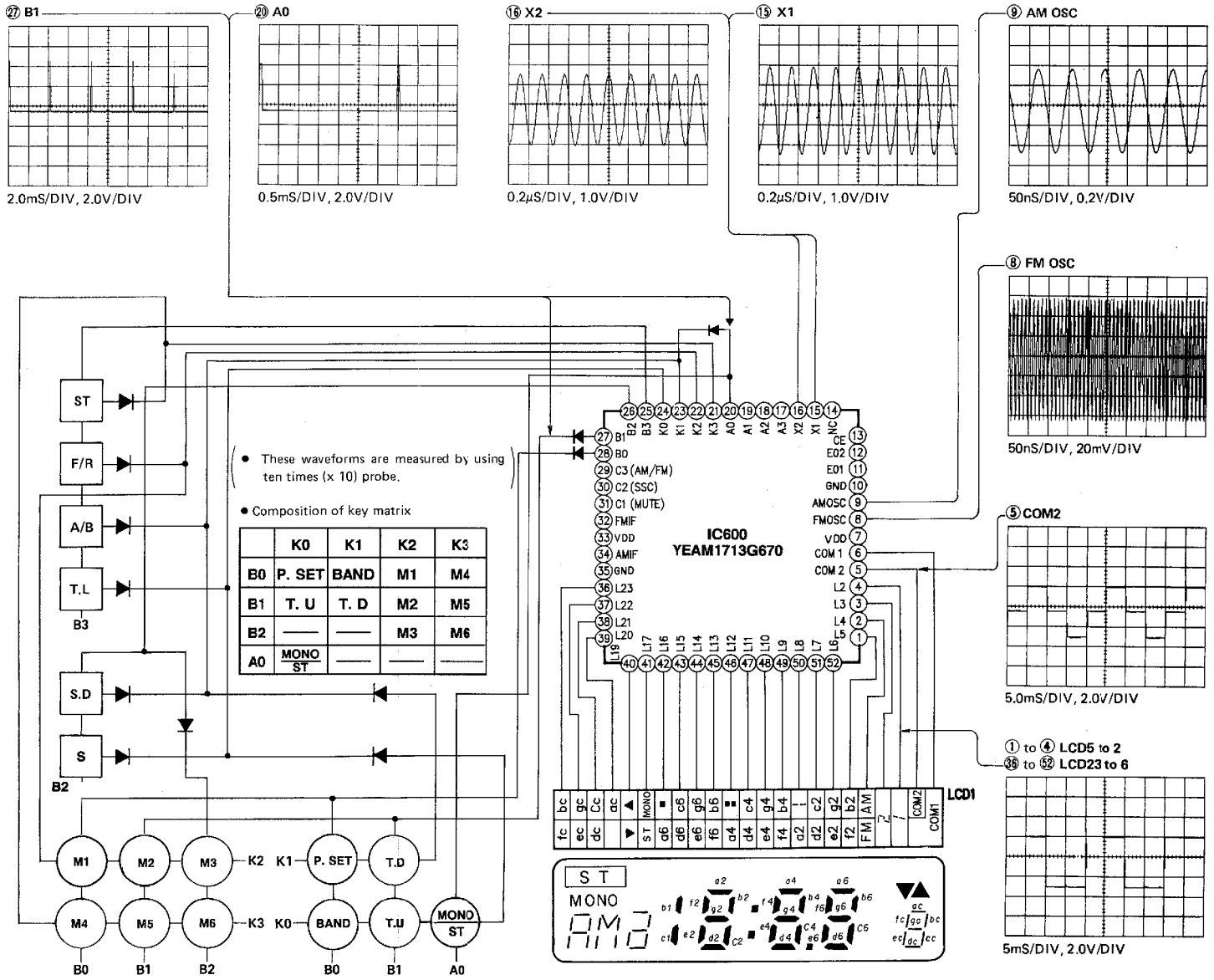
Pin No.	Port	Description	I/O	Vol. (V)
1	LCD5	LCD signal output	O	2.2
2	LCD4	LCD signal output	O	2.2
3	LCD3	LCD signal output	O	2.2
4	LCD2	LCD signal output	O	2.2
5	COM2	LCD signal output	O	2.0
6	COM1	LCD signal output	O	2.0
7	VDD	Power supply (+5V)	—	5.0
8	FM OSC	FM local signal input	I	1.6
9	AM OSC	AM local signal input	I	1.6
10	GND	Ground	—	0
11	EO1	Not used	—	—
12	EO2	Phase detect output	O	1.5
13	CE	Chip enable input	I	5.4
14	—	(Connecting to IC600-31)	—	5.1
15	X1	4.5MHz crystal	—	0.9
16	X2	4.5MHz crystal	—	2.2
17	NC	No connection	—	—
18	A2	Monaural select	O	0
19	A1	No connection	—	—
20	A0	Key return signal	O	0.1
21	K3	Key matrix input	I	0.1
22	K2	Key matrix input	I	0
23	K1	Key matrix input	I	0.1
24	K0	Key matrix input	I	0
25	B3	Key return signal	O	0.1
26	B2	Clock output	O	0.1
27	B1	Key return signal	O	0.1
28	B0	DATA output	O	0.1
29	C3	AM/FM power selector	O	5.0
30	C2	Search stop clear	O	0
31	C1	Mute output	O	5.1
32	FM IF	FM IFcounter output	O	0
33	VDD	Power supply (+5V)	—	5.0
34	AM IF	AM IF counter input	I	0
35	GND	Ground	—	0
36~40	LCD23~19	LCD signal output	O	2.2
41~52	LCD17~6	LCD signal output	O	2.2

PRECAUTION IN HANDLING

(For prevention of electrostatics fracture)

1. Except during operation, keep all terminals in contract with conductive member (the device is delivered in this condition.)
2. Always connect the tip of soldering iron, tools, and tester to the ground when using.
3. Do not plug or unplug with the power supplied.
4. Never apply signal or voltage with the power off.
5. Keep all unused terminals at VCC or VDD.
6. Never apply the voltage exceeding the line voltage to the input terminal.

OPERATION OF LSI



	K0	K1	K2	K3
B0	P. SET	BAND	M1	M4
B1	T. U	T. D	M2	M5
B2	——	——	M3	M6
A0	MONO ST	——	——	——

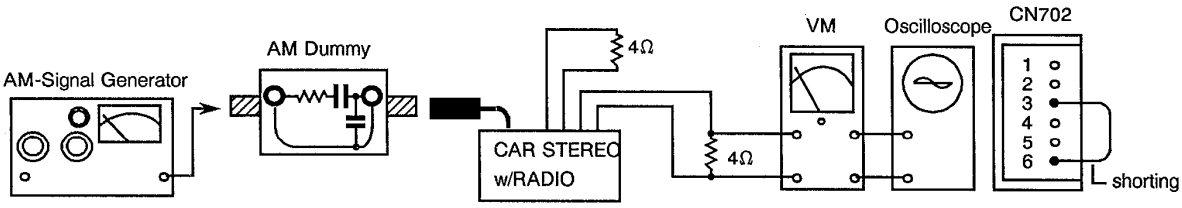
ALIGNMENT INSTRUCTIONS

- Power Supply : DC 14.4V
- Output Impedance : 4Ω
- Output Power : 0.5W
- Tone Control : High
- Balance Control : Center
- Fader Control : Front

Note
Do not align the FM IF and FM MPX package blocks. When the package is necessary, it will be supplied already aligned at the factory.

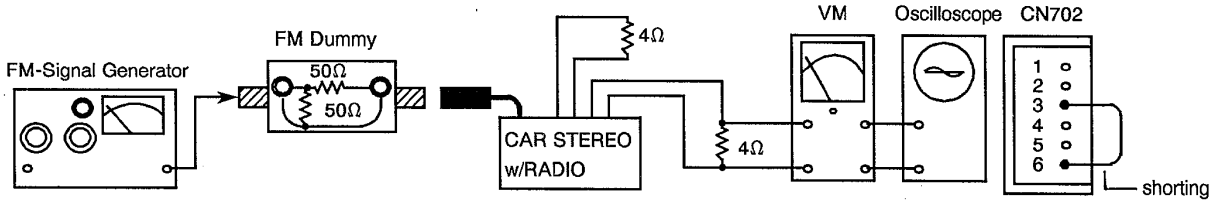
1. AM IFT ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
①	AM IFT	AM	1000Hz 25dB (μV) [400Hz 30%]	Antenna Receptacle	Speaker Terminals	1000Hz	L103, L104, L105, IFT102	• Adjust for maximum volume. • Adjusting order : L103, L104, L105, IFT102



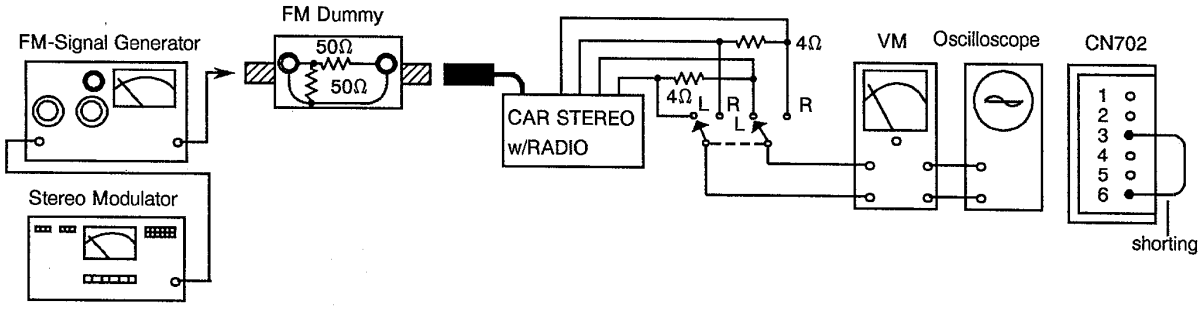
2. FM IFT ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
②	FM IFT	FM	98.1MHz 9dB (μV) [1kHz 30%]	Antenna Receptacle	Speaker Terminals	98.1MHz	IFT151	• Adjust for maximum volume. • Adjust for minimum noise level. (routh adjustment) Good No good
③			98.1MHz 9dB(μV) [Non Mod.]					• Removed moduration. • Adjust for minimum noise level. (fine adjustment)



3. FM SEPARATION ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VM Connection	Display	Adjust	Remarks
④	FM Sep.	FM	98.1MHz 80dB(μV) [1kHz 30%]	Antenna Receptacle	Speaker Terminals	98.1MHz	VR160	• Adjust for maximum separation.



4. HEAD HEIGHT ALIGNMENT

Step	Alignment Item	Test Tape	Adjust	Remarks
⑤	Head Height	Tape path viewer (With mirror)	Head Mounting screws (Right and Left)	• Temporarily tighten the Head mounting screws (Right and Left) to the position shown Figure 1. • Insert the Test Tape into the set, and press the play button (Keep power off). • Adjust the height to the Head to be as shown in Figure 2 as viewed in front of the mirror, using the Head mounting screws.

Note : • Test Tape No. : QZZCRD
• Make sure that the head cores are even top and bottom.

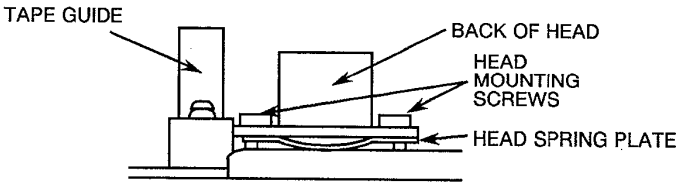


Fig. 1

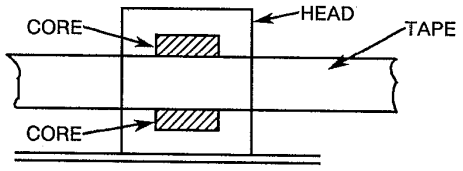


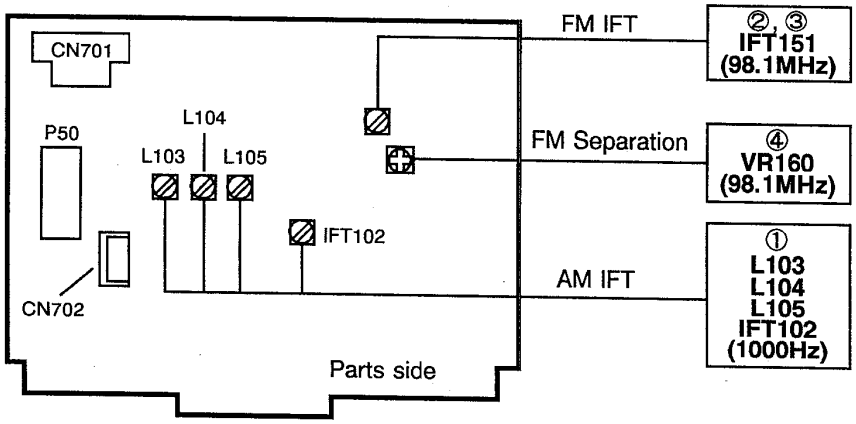
Fig. 2

5. HEAD AZIMUTH ALIGNMENT

Step	Alignment Item	Test Tape	Input Terminal	VM Connection	Adjust	Remarks
⑥	Head Azimuth	TCC-153	Playback Head	Speaker Terminals	Head Azimuth Adjustment Screw	• Adjust for maximum output. • Use ⊕ Screw driver.

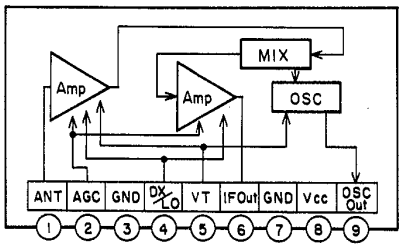
Note : If you do not have a test tape, use a tape whose recording level is than 6 kHz for head adjustment. After the above adjustment apply bonding agent to the adjustment screw.

ALIGNMENT POINTS

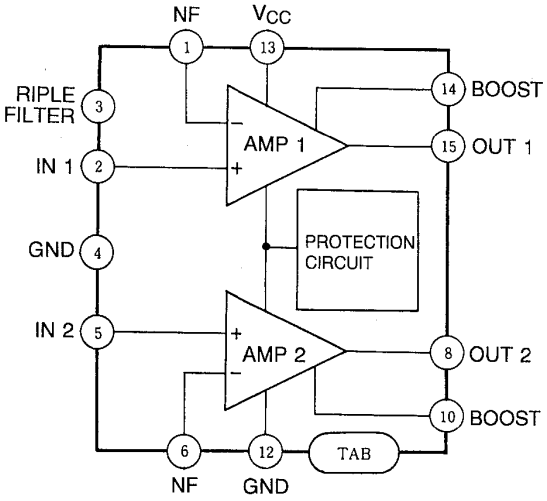


PACKAGE AND IC BLOCK DIAGRAM

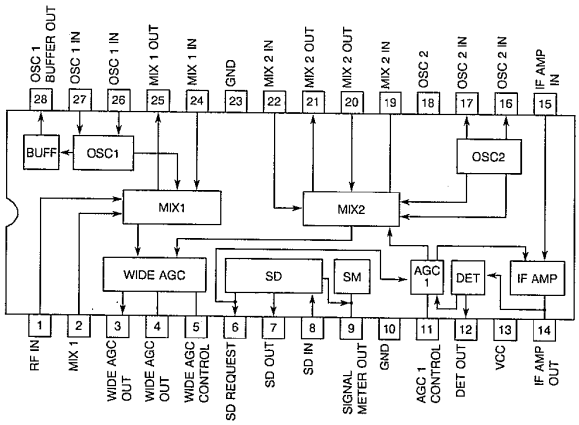
● P50 YEAU03SUE02



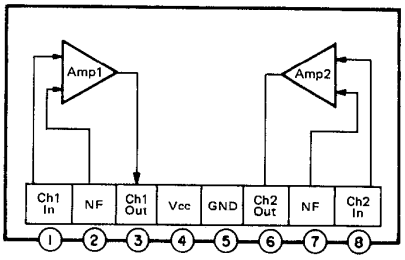
● IC206 YEAMHA13119



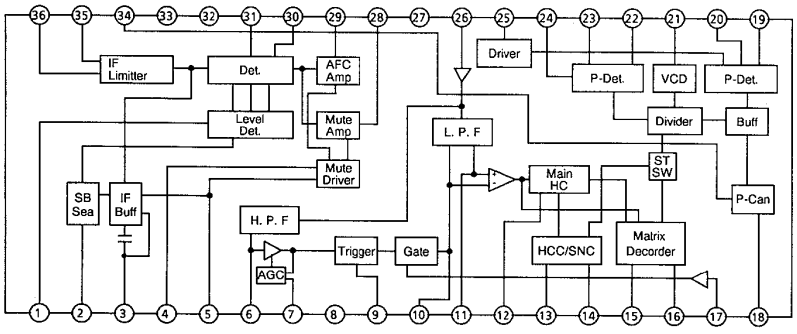
● IC100 YEAMLA1137NM



● IC200 YEAMLA3161



● IC150 YEAMLA1862M



Pin No.	Name	Pin No.	Name	Pin No.	Name
1	S meter output	13	HCC control input	25	Stereo indicator lamp terminal
2	IF buffer sensitivity control	14	SNC control input	26	Noise canceller input
3	IF buffer output	15	MPX Lch output	27	GND
4	Mute start point control	16	MPX Rch output	28	Muting amp output (AF output)
5	Mute drive terminal	17	Pilot cancel signal input	29	AFC output
6	Noise sensitivity control	18	Pilot cancel signal output	30	Peak detector input
7	Noise AGC sensitivity control	19	Pilot detection	31	IF output
8	Vcc	20	Pilot detection	32	Muting attenuation control
9	Gate time control	21	VCO	33	Regulated voltage output
10	Memory circuit	22	Phase detection	34	Pilot cancel signal detection
11	LPF output	23	Phase detection	35	IF input
12	High cut attenuation control	24	PLL input	36	IF bypass

Replacement Parts List
Model NO. CQ-E11EUCS

NOTES :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice : Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.
4. T marks in remarks column are indicated supply parts of TAMACO.

MODEL CQ-E11EUCS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
ICs & TRANSISTORs					
P50	YEAU03SUE02		Tuner	1	
IC100	YEAMLA1137NM		IC	1	T
IC150	YEAMLA1862M		IC	1	T
IC200	YEAMLA3161		IC	1	
IC206	YEAMHA13119		IC	1	T
IC600	YEAM1713G670		IC	1	T
Q101	YEAN2SK715VT		Transistor	1	T
Q102	YEANC1571FT		Transistor	1	T
Q221, 321	YEAN2SC3330T		Transistor	2	T
Q500	YEAN2SA1317T		Transistor	1	T
Q501, 502	YEAN2SC3330T		Transistor	2	T
Q605	YEAN2SK583T		Transistor	1	T
Q613	YEAN2SA1317T		Transistor	1	T
Q630 to 635	YEAN2SC3330T		Transistor	6	T
Q701	YEAN2SD2007T		Transistor	1	T
Q703	YEAN2SC3330T		Transistor	1	T
Q706	YEAN2SD2007T		Transistor	1	T
Q707, 708	YEAN2SC3330T		Transistor	2	T
Q709, 710	YEAN2SB810T		Transistor	2	
DIODEs					
D100 to 102	YEAD1SS133T		Diode	3	
D104, 105	YEAD1SS133T		Diode	2	
D107, 108	YEAD1SS133T		Diode	2	
D151, 152	YEAD1SS133T		Diode	2	
D201, 301	YEAD1SS133T		Diode	2	
D551, 552	YEAD1SS133T		Diode	2	
D601, 602	YEADRD51JS3T		Diode	2	
D603	YEADMTZ10CT		Diode	1	T
D604	YEAD1SV133T		Diode	1	T
D610 to 616	YEAD1SS133T		Diode	7	
D623, 625	YEAD1SS133T		Diode	2	
D630 to 635	YEAD1SS133T		Diode	6	
D701	RVDRL104T		Diode	1	T
D703	YEAD1SS133T		Diode	1	
D706	YEADMTZJ56CT		Diode	1	T
D707	YEADMTZ91BT		Diode	1	T
D708	YEADRD91EB2T		Diode	1	
CD103	YEADSVC352S		Vari-Cap Diode	1	T
CAPACITORs					
C60	ECEA1HU010		Electrolytic, 1MFD 50WV	1	
C61	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C63	ECEA1CK100		Electrolytic, 10MFD 16WV	1	
C65	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C66	YEU05SL8R2K		Ceramic, 8.2PF 50WV	1	
C67	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C100	ECCL1H431JSA		Ceramic, 430PF 50WV	1	T
C101	YEU05B102K		Ceramic, 0.001MFD 50WV	1	
C102, 103	ECFLD223KDY		Ceramic, 0.022MFD 25WV	2	T
C104	ECFL1C104KDY		Ceramic, 0.1MFD 16WV	1	T
C105	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T
C106	ECEA0JKS101		Electrolytic, 100MFD 6.3WV	1	
C107	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C108	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T

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Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C109	ECEA1AK101		Electrolytic, 100MFD 10WV	1	
C110	ECEA1HKSR47		Electrolytic, 0.47MFD 50WV	1	
C111, 112	ECFLD223KDY		Ceramic, 0.022MFD 25WV	2	T
C113	YEU05SL330J		Ceramic, 33PF 50WV	1	
C114	ECFL1C473KDY		Ceramic, 0.047MFD 16WV	1	T
C115	ECEA1HKSR47		Electrolytic, 0.47MFD 50WV	1	
C116	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T
C117	ECEA1CKS220		Electrolytic, 22MFD 16WV	1	
C118	ECEA1VKS4R7		Electrolytic, 4.7MFD 35WV	1	
C120, 121	YEE05Y103N		Ceramic, 0.01MFD 50WV	2	
C122	ECEA1HKS0R1		Electrolytic, 0.1MFD 50WV	1	
C151	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T
C152	ECEA1HKSR47		Electrolytic, 0.47MFD 50WV	1	
C153	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C154	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C155	YEU05B102K		Ceramic, 0.001MFD 50WV	1	
C157	YEU05SL120J		Ceramic, 12PF 50WV	1	
C159	ECEA1CKS100		Electrolytic, 10MFD 16WV	1	
C160	YEE05X332M		Ceramic, 0.0033MFD 50WV	1	
C161	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T
C162	ECEA1HKSR22		Electrolytic, 0.22MFD 50WV	1	
C163	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C164	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C165	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T
C166	YEE05X332M		Ceramic, 0.0033MFD 50WV	1	
C167 to 169	ECFL1C473KDY		Ceramic, 0.047MFD 16WV	3	T
C171	YEE05X472M		Ceramic, 0.0047MFD 50WV	1	
C172	YEE05X682M		Ceramic, 0.0068MFD 50WV	1	
C173	YEE05X332M		Ceramic, 0.0033MFD 50WV	1	
C174	ECEA1AKS470		Electrolytic, 47MFD 10WV	1	
C175	ECEA1AK220		Electrolytic, 22MFD 10WV	1	
C176	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C178	ECFLD223KDY		Ceramic, 0.022MFD 25WV	1	T
C179	ECFL1C473KDY		Ceramic, 0.047MFD 16WV	1	T

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Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C180	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C201	YEE05X122M		Ceramic, 0.0012MFD 50WV	1	
C202	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C203	ECEA0JKS101		Electrolytic, 100MFD 6.3WV	1	
C204	ECFLD273KDY		Ceramic, 0.027MFD 25WV	1	T
C225	ECFL1C563KDY		Ceramic, 0.056MFD 25WV	1	T
C236	ECEA0JKS470		Electrolytic, 47MFD 6.3WV	1	
C240	ECEA1HK010		Electrolytic, 1MFD 50WV	1	
C250	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C260	YEU05B102K		Ceramic, 0.001MFD 50WV	1	
C261	ECEA1AU101		Electrolytic, 100MFD 10WV	1	
C262	ECFL1C104KDY		Ceramic, 0.1MFD 16WV	1	T
C263	ECEA1AU101		Electrolytic, 100MFD 10WV	1	
C264	ECEA1AU102		Electrolytic, 1000MFD 10WV	1	
C265	ECEA1CK100		Electrolytic, 10MFD 16WV	1	
C266	ECEA1VK4R7		Electrolytic, 4.7MFD 35WV	1	T
C267, 268	ECEA1CU102Y		Electrolytic, 1000MFD 16WV	2	
C301	YEE05X122M		Ceramic, 0.0012MFD 50WV	1	
C302	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C303	ECEA0JKS101		Electrolytic, 100MFD 6.3WV	1	
C304	ECFLD273KDY		Ceramic, 0.027MFD 25WV	1	T
C307	ECEA1AU331		Electrolytic, 330MFD 10WV	1	
C325	ECFL1C563KDY		Ceramic, 0.056MFD 16WV	1	T
C340	ECEA1HK010		Electrolytic, 1MFD 50WV	1	
C350	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C360	YEU05B102K		Ceramic, 0.001MFD 50WV	1	
C361	ECEA1AU101		Electrolytic, 100MFD 10WV	1	
C362	ECFL1C104KDY		Ceramic, 0.1MFD 16WV	1	T
C363	ECEA1AU101		Electrolytic, 100MFD 10WV	1	
C364	ECEA1AU102		Electrolytic, 1000MFD 10WV	1	
C601	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C603	ECEA1VK4R7		Electrolytic, 4.7MFD 35WV	1	T
C604	ECEA1AU101		Electrolytic, 100MFD 10WV	1	
C605	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	

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Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
C606, 607	YEU05SL220J		Ceramic, 22PF 50WV	2	
C611	ECEA0JKS101		Electrolytic, 100MFD 6.3WV	1	
C612	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C614	ECFLD153KDY		Ceramic, 0.015MFD 25WV	1	T
C616	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C617	ECFLD333KDY		Ceramic, 0.033MFD 25WV	1	T
C618	YEE05Y103N		Ceramic, 0.01MFD 50WV	1	
C621	ECEA1HKS010		Electrolytic, 1MFD 50WV	1	
C623	ECEA1CKS100		Electrolytic, 10MFD 16WV	1	
C624	ECEA1VKS4R7		Electrolytic, 4.7MFD 35WV	1	
C703	ECEA1HK010		Electrolytic, 1MFD 50WV	1	
C706	ECFLD103KDY		Ceramic, 0.01MFD 25WV	1	T
C707	ECEA1CK100		Electrolytic, 10MFD 16WV	1	
C715	ECEA1CK100		Electrolytic, 10MFD 16WV	1	
C720	ECEA1AU101		Electrolytic, 100MFD 10WV	1	
C730	ECFL1C473KDY		Ceramic, 0.047MFD 16WV	1	T
CS701	YECCL55S222T		Feed Throught Cap,	1	
RESISTORs					
R42	ERDS2TJ393		Carbon, 39k ohms 0.25W	1	
R55	ERD25TJ473		Carbon, 47k ohms 0.25W	1	
R56	ERDS2TJ221		Carbon, 220 ohms 0.25W	1	
R57	ERDS2TJ563		Carbon, 56k ohms 0.25W	1	
R101	ERDS2TJ473		Carbon, 47k ohms 0.25W	1	
R102	ERDS2TJ561		Carbon, 560 ohms 0.25W	1	
R103	ERDS2TJ330		Carbon, 33 ohms 0.25W	1	
R105	ERDS2TJ473		Carbon, 47k ohms 0.25W	1	
R108	ERDS2TJ104		Carbon, 100k ohms 0.25W	1	
R109	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R110	ERDS2TJ332		Carbon, 3.3k ohms 0.25W	1	
R111	ERDS2TJ820		Carbon, 82 ohms 0.25W	1	
R112	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R113	ERD25TJ103		Carbon, 10k ohms 0.25W	1	

MODEL CQ-E11EUCS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R116	ERD25TJ103		Carbon, 10k ohms 0.25W	1	
R117	ERDS2TJ472		Carbon, 4.7k ohms 0.25W	1	
R120	ERD25TJ562		Carbon, 5.6k ohms 0.25W	1	
R121	ERDS2TJ392		Carbon, 3.9k ohms 0.25W	1	
R124	ERDS2TJ563		Carbon, 56k ohms 0.25W	1	
R150	ERDS2TJ101		Carbon, 100 ohms 0.25W	1	
R151	ERD25TJ101		Carbon, 100 ohms 0.25W	1	
R152	ERD25TJ681		Carbon, 680 ohms 0.25W	1	
R154	ERDS2TJ331		Carbon, 330 ohms 0.25W	1	
R155	ERDS2TJ392		Carbon, 3.9k ohms 0.25W	1	
R156	ERDS2TJ752		Carbon, 7.5k ohms 0.25W	1	
R157	ERDS2TJ472		Carbon, 4.7k ohms 0.25W	1	
R159	ERDS2TJ562		Carbon, 5.6k ohms 0.25W	1	
R162, 163	ERDS2TJ153		Carbon, 15k ohms 0.25W	2	
R164	ERDS2TJ563		Carbon, 56k ohms 0.25W	1	
R165	ERDS2TJ823		Carbon, 82k ohms 0.25W	1	
R166	ERDS2TJ683		Carbon, 68k ohms 0.25W	1	
R167	ERDS2TJ752		Carbon, 7.5k ohms 0.25W	1	
R168	ERDS2TJ682		Carbon, 6.8k ohms 0.25W	1	
R169	ERDS2TJ473		Carbon, 47k ohms 0.25W	1	
R170	ERDS2TJ562		Carbon, 5.6k ohms 0.25W	1	
R171	ERDS2TJ513T		Carbon, 51k ohms 0.25W	1	T
R172, 173	ERDS2TJ104		Carbon, 100k ohms 0.25W	2	
R174	ERDS2TJ392		Carbon, 3.9k ohms 0.25W	1	
R175	ERDS2TJ513T		Carbon, 51k ohms 0.25W	1	T
R176	ERDS2TJ752		Carbon, 7.5k ohms 0.25W	1	
R180	ERD25TJ103		Carbon, 10k ohms 0.25W	1	
R201	ERDS2TJ333		Carbon, 33k ohms 0.25W	1	
R202	ERDS2TJ470		Carbon, 47 ohms 0.25W	1	
R203	ERDS2TJ472		Carbon, 4.7k ohms 0.25W	1	
R204	ERDS2TJ124		Carbon, 120k ohms 0.25W	1	
R205	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R214	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R225	ERDS2TJ222		Carbon, 2.2k ohms 0.25W	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R226	ERDS2TJ681		Carbon, 680 ohms 0.25W	1	
R233	ERD25TJ221		Carbon, 220 ohms 0.25W	1	
R234	ERD25TJ182		Carbon, 1.8k ohms 0.25W	1	
R235	ERDS2TJ122		Carbon, 1.2k ohms 0.25W	1	
R236	ERDS2TJ5R6		Carbon, 5.6 ohms 0.25W	1	
R260	ERDS2TJ270		Carbon, 27 ohms 0.25W	1	
R261	ERDS2TJ471		Carbon, 470 ohms 0.25W	1	
R262	ERDS2TJ1R2		Carbon, 1.2 ohms 0.25W	1	
R301	ERDS2TJ333		Carbon, 33k ohms 0.25W	1	
R302	ERDS2TJ470		Carbon, 47 ohms 0.25W	1	
R303	ERDS2TJ472		Carbon, 4.7k ohms 0.25W	1	
R304	ERDS2TJ124		Carbon, 120k ohms 0.25W	1	
R305	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R309	ERD25TJ471		Carbon, 470 ohms 0.25W	1	
R314	ERD25TJ103		Carbon, 10k ohms 0.25W	1	
R325	ERDS2TJ222		Carbon, 2.2k ohms 0.25W	1	
R326	ERDS2TJ681		Carbon, 680 ohms 0.25W	1	
R333	ERD25TJ221		Carbon, 220 ohms 0.25W	1	
R334	ERD25TJ182		Carbon, 1.8k ohms 0.25W	1	
R335	ERDS2TJ122		Carbon, 1.2k ohms 0.25W	1	
R360	ERDS2TJ270		Carbon, 27 ohms 0.25W	1	
R361	ERDS2TJ471		Carbon, 470 ohms 0.25W	1	
R362	ERDS2TJ1R2		Carbon, 1.2 ohms 0.25W	1	
R501	ERDS2TJ333		Carbon, 33k ohms 0.25W	1	
R600	ERDS2TJ223		Carbon, 22k ohms 0.25W	1	
R606	ERDS2TJ152		Carbon, 1.5k ohms 0.25W	1	
R610	ERDS2TJ152		Carbon, 1.5k ohms 0.25W	1	
R612	ERDS2TJ181		Carbon, 180 ohms 0.25W	1	
R613	ERDS2TJ681		Carbon, 680 ohms 0.25W	1	
R616	ERD25TJ471		Carbon, 470 ohms 0.25W	1	
R619	ERDS2TJ152		Carbon, 1.5k ohms 0.25W	1	
R620	ERDS2TJ472		Carbon, 4.7k ohms 0.25W	1	
R621	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R622	ERDS2TJ473		Carbon, 47k ohms 0.25W	1	

MODEL CQ-E11EUCS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
R623	ERDS2TJ472		Carbon, 4.7k ohms 0.25W	1	
R624	ERDS2TJ222		Carbon, 2.2k ohms 0.25W	1	
R627	ERDS2TJ680		Carbon, 68 ohms 0.25W	1	
R630 to 632	ERD25TJ105		Carbon, 1M ohms 0.25W	3	
R633	ERD25TJ473		Carbon, 47k ohms 0.25W	1	
R634, 635	ERD25TJ105		Carbon, 1M ohms 0.25W	2	
R670	ERDS2TJ104		Carbon, 100k ohms 0.25W	1	
R700	ERD25FJ1R0		Carbon, 1.0 ohm 0.25W	1	
R701	ERDS2TJ101		Carbon, 100 ohms 0.25W	1	
R702	ERD25FJ6R8		Carbon, 6.8 ohms 0.25W	1	
R703	ERD25TJ102		Carbon, 1k ohms 0.25W	1	
R705, 706	ERDS1FJ8R2T		Carbon, 8.2 ohms 0.25W	2	
R708	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R709	ERDS2TJ221		Carbon, 220 ohms 0.25W	1	
R710	ERD25TJ473		Carbon, 47k ohms 0.25W	1	
R711	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R712	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R713	ERDS2TJ224		Carbon, 220k ohms 0.25W	1	
R714	ERDS2TJ473		Carbon, 47k ohms 0.25W	1	
R715	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	
R720	ERD25FJ2R7		Carbon, 2.7 ohms 0.25W	1	
R721	ERDS2TJ103		Carbon, 10k ohms 0.25W	1	
R722	ERD25FJ5R6		Carbon, 5.6 ohms 0.25W	1	
R730	ERDS2TJ223		Carbon, 22k ohms 0.25W	1	
J5	ERDS2TJ102		Carbon, 1k ohms 0.25W	1	

CONNECTORs

CN250	YEAE2011P05		5P, Connector	1	T
CN701	YEAE4CC0N005		12P, Connector	1	T
CN702	YEAE2011P06		6P, Connector	1	T
CN602, 603	YEAE014C04WK		4P, Connector	2	T
CN601, 604	YEAE014C03WK		3P, Connector	2	T

MODEL CQ-E11EUCS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
SWITCHEs					
SW600 to 610	YEAS094C017		Switch	11	T
CRYSTALs					
XL600	YEXL4C0450T		Crystal	1	T
XL500	YEXLS456F23M		Crystal	1	T
COILs					
L101	YELT02C8R2KT		RF Coil	1	
L102	YELA4C07S004		RF Coil	1	T
L103	YELL4C07S008		RF Coil	1	T
L104	YELL4C07S007		RF Coil	1	T
L105	YELL4C07S006		RF Coil	1	T
L701	YETQ024C011		Choke Coil	1	T
IFT101	YEIN09S5071		IFT	1	
IFT102	YEIA4C07S010		IFT	1	T
IFT151	YEIF4C07S005		IFT	1	T
CF151	YEIN09NM11FT		Ceramic Filter	1	
LCD					
LCD1	YEXDCM4C020		LCD	1	T
VARIABLE RESISTORs					
VR201	YEVK4C12A004		(Volume, Balance, Fader)	1	T
VR202	YEVK4C09D002		(Tone)	1	T
VR160	EVNDXAA00B54		50k ohms	1	

MODEL CQ-E11EUCS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
INSTALLATION PARTs					
1	FX0214C141ZA		Mounting Collar	1	T
2	XWG5FX		Plain Washer, (5mmφ)	2	
3	XWA5BFX		Spring Washer, (5mmφ)	2	
4	XNG5AFXS		Hex. Nut, (5mmφ)	2	
5	YEFG044C002		Rear Support Strap	1	T
6	XVG5C25FXS		Hex. Bolt, (5mmφ×25mm)	1	
7	XWC5CFX		Toothed Lock Washer, (5mmφ)	1	
8	YEFS014C002		Rubber Cushion	1	T
9	YAJ024C020ZB		Power Connector	1	T
10	YFC054C041ZA		Trim Plate	1	T
INSTRUCTION BOOK					
	YFM284C228CA		Operating Instructions (English, French)	1	T
	YFM284C229CA		Operating Instructions (Spanish)	1	T
MISCELLANEOUS					
F1	XBB1F30NR5		Fuse, 3A	1	
Z51	YEAL02007T		Neon Tube	1	
PL701 to 703	YEAL01184		Pilot Lamp	3	
1 (4-C)	YFA034C026ZA		Upper Cover	1	T
2 (1-A)	YFA054C021ZA		Under Cover	1	T
3 (1-A)	YFV014C028ZA		Sheet	1	T
4 (2-A)	YFE074C046ZA		Knob (Tone)	1	T
5 (2-A)	YEFE074C026		Knob (BT)	1	T
6 (2-A)	YFE074C045ZA		Knob (H)	1	T
7 (2-A)	YFC024C325CA		ESC Ass'y	1	T
8 (3-A)	YFE134C125ZA		Button (EJECT)	1	T
9 (3-A)	YFE134C126ZA		Button (REW)	1	T

MODEL CQ-E11EUCS

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
10 (3-A)	YFE134C127ZA		Button (FF)	1	T
11 (3-A)	YFX464C010ZA		Eject Lever	1	T
12 (3-A)	FX0214C145ZA		Bracket for Deck	1	T
13 (2-C)	FX0214C113ZA		Bracket for IC206	1	T
14 (1-B)	FX0214C144ZA		LCD Holder Cover	1	T
15 (1-B)	YFK044C013ZA		LCD Holder	1	T
16 (1-B)	FX9994C039ZA		Sheet for LCD	1	T
17 (3-B)	FX0214C147ZA		Bracket for VR	1	T
18 (1-C)	YFK044C012ZA		Pilot Lamp Holder for PL701	1	T
19 (2-A) (2-B)	YEFK044C007		Pilot Lamp Holder for PL702, 703	2	T
20	YEFR04134		Illumi. Cap	3	
21 (3-A)	YEFS014C009		Sponge	1	T
22 (3-B)	YFA014C045ZA		Case Ass'y	1	T
23 (2-B)	YFA074C018ZA		Front Plate	1	T
24 (3-C)	YFA094C062ZA		Side Plate (R)	1	T
25 (2-C)	YFF014C028ZA		Heat Sink	1	T
26 (3-B) (2-C)	FX0214C140ZA		Handle Bracket (R/L)	2	T
27 (3-C)	YAA104C700ZA		ANT Jack	1	T
28 (2-C)	YEJV014C002A		Bolt	1	T
30 ⚠	YEJT034C001		Screw	1	T
31 ⊛	YEJT034C007		Screw	1	T
32 ◎	XTB3+6FFXS		Screw	11	
33 ⊙	YEJS064C001		Screw	4	T

MODEL CQ-E11EUCS

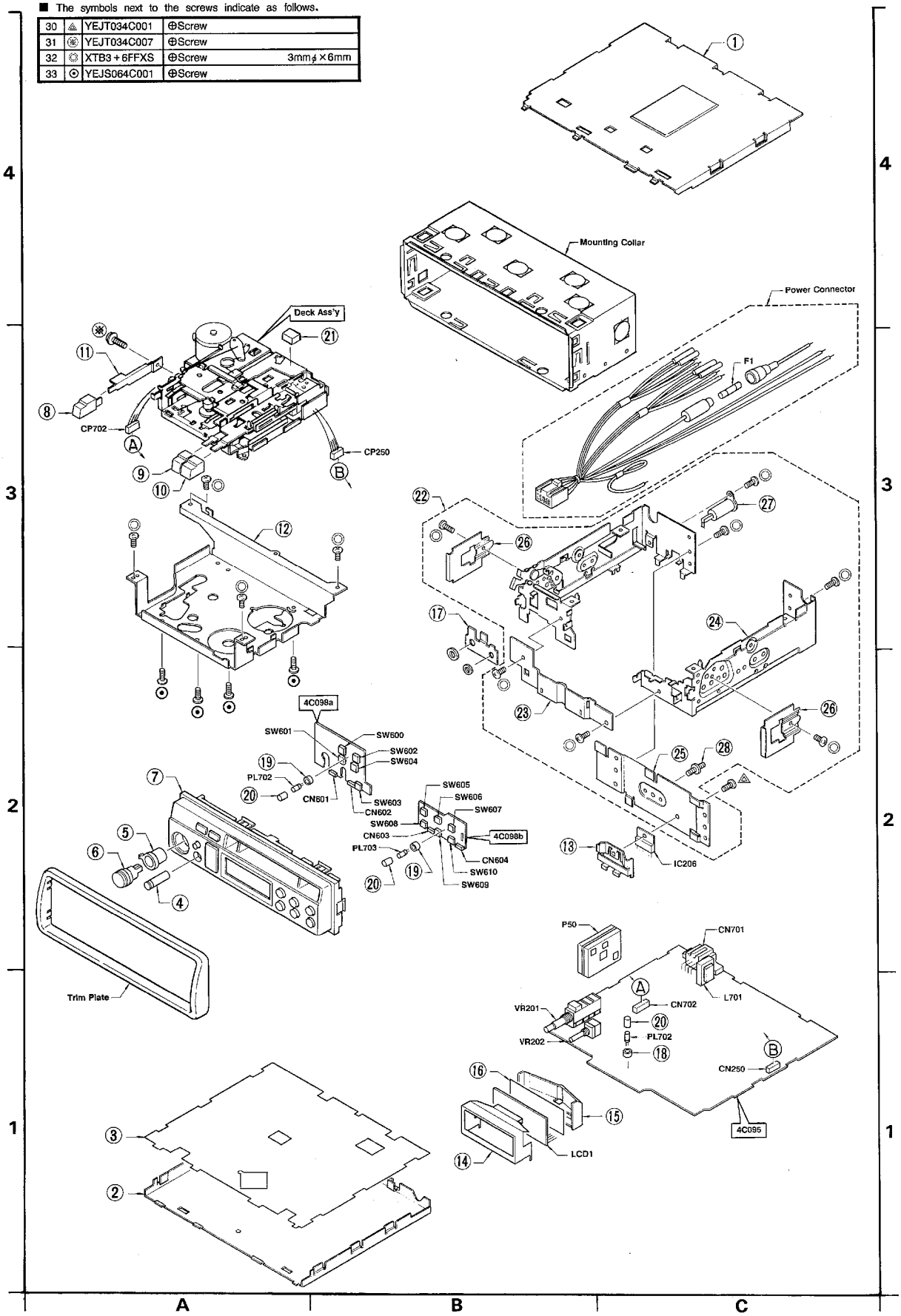
Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
TAPE PLAYER PARTS					4C006F [94. 3. 7]
HEAD					
H (2-C)	MR25P-KF015		Head	1	T
SWITCHEs					
SW1 (2-C)	YEAS07136		Auto Reverse Switch	1	
SW2 (3-A)	YEAS134C001		Muting Switch	1	T
SW3 (3-B)	YEAS23152		Radio/Tape Selector	1	
MECHANICAL PARTS					
100 (2-A)	YEFA011097		Chassis Ass'y	1	
101 (3-B)	YASAK01082		Motor Ass'y (1840-01-317)	1	T
102 (3-B)	YEFX003317		Main Gear	1	
103 (3-C)	YEFX249339		Change Plate Ass'y	1	
104 (3-C)	YEFX005956		Head Switch Spring	1	
105 (3-C)	YEFA011014		Main Plate	1	
106 (3-C)	YEFX233268		Pinch Roller Arm (F) Ass'y	1	
107 (3-C)	YEFX013014		Trigger & Stop Arm Actuator	1	
108 (3-C)	YEFX249340		F.R (FF.REW) Lock Plate B	1	
109 (3-C)	YEFX0051286		F.R (FF.REW) Lock Spring	1	
110 (2-C)	YEFX026106A		Center Pulley (C)	1	
111 (2-B)	YEFX0051293		Control Spring (C)	1	
112 (2-B)	YEJS06061		Collar Screw	1	
113 (2-C)	YEAP1697		Head PCB	1	
114 (3-C)	YEFX0051287		Trigger & Stop Arm Actuator Spring	1	
115 (2-A)	YEFX233269		Pinch Roller Arm (R) Ass'y	1	
116 (2-C)	YEFX0212249		Pull Plate Ass'y	1	
117 (1-C)	YEFX026099		Head Plate Roller	1	
118 (2-C)	YEFX0461025		Head Panel Ass'y	1	
119 (2-C)	YEFX239287		Tape Guide	1	
120 (2-C)	YEFX005961		Head Adjust Spring	1	
121 (2-C)	YEFX013013		Pinch Roller Actuator	1	
122 (2-C)	YEFX0051288		Pinch Roller Spring	1	
123 (1-C)	YEFX0051423		Head Panel Spring	1	
124 (1-C)	YEFX213191		Flywheel Ass'y	2	
125 (1-B)	YEFR03070		Main Belt	1	
126 (1-B)	YEFA011015		Main Gear Plate Ass'y	1	
127 (1-B)	YEFX046759		End Detector Plate (F)	1	
128 (1-B)	YEFX0461026		Take Up Gear Plate (F) Ass'y	1	
129 (1-B)	YEFX0461027		Take Up Gear Plate (R) Ass'y	1	
130 (1-B)	YEFX0051289		Take Up Gear Plate Spring	1	
131 (1-C)	YEFX003400		FF Gear	2	
132 (1-A)	YEFX003271A		FF & Take Up Gear	2	
133 (2-A)	YEFX026116		FF.REW Clutch Ass'y	1	
134 (2-A)	YEFX003272		Device Gear (Upper)	1	
135 (1-A)	YEFX003273		Device Gear (Lower)	1	
136 (2-A)	YEFX003274		Device & Trigger Stop Arm Gear	1	
137 (1-B)	YEFX0461028		End Sensing Plate	1	
138 (2-B)	YEFX003275B		Trigger & Stop Arm Actuator Gear	1	
139 (2-B)	YEFX003276		Turn Over Gear	1	
140 (2-B)	YEFX046765		Stop Arm	1	
141 (2-B)	YEFX0051290		Trigger & Stop Arm Spring	1	
142 (1-B)	YEFX0461029		Trigger Arm	1	
143 (2-A)	YEFX005967		End Detector spring	2	
144 (2-A)	YEFX026101		End Detector Piece	1	
145 (2-A)	YEFX209239		Take Up Reel Sub-Ass'y	1	
146 (2-A)	YEFX026102		Turn Over Gear Collar	1	
147 (2-A)	YEFX209240		Take Up Reel Sub-Ass'y	1	
148 (3-B)	YEFX003456		Center Gear (B)	1	
149 (2-A)	YEFX0461030		Push Lever Ass'y	1	
150 (2-A)	YEFX0461031		Cassette Case & Head Panel Push Plate Ass'y	1	

EXPLODED VIEW (UNIT)

■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST

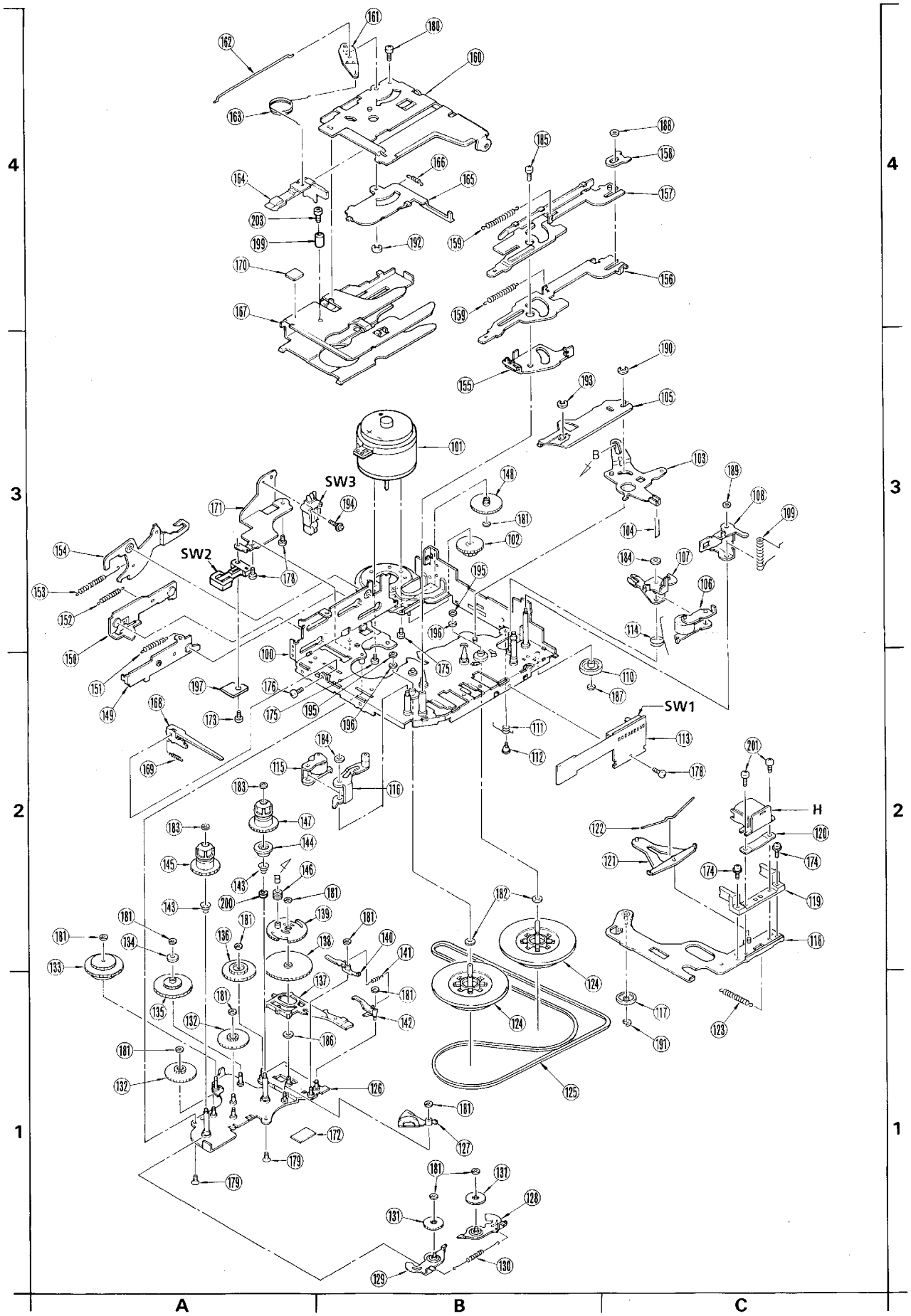
■ The symbols next to the screws indicate as follows.

30	△	YEJT034C001	⊕Screw
31	✱	YEJT034C007	⊕Screw
32	◎	XTB3+6FFXS	⊕Screw 3mmϕ×6mm
33	⊙	YEJS064C001	⊕Screw



EXPLODED VIEW (TAPE DECK)

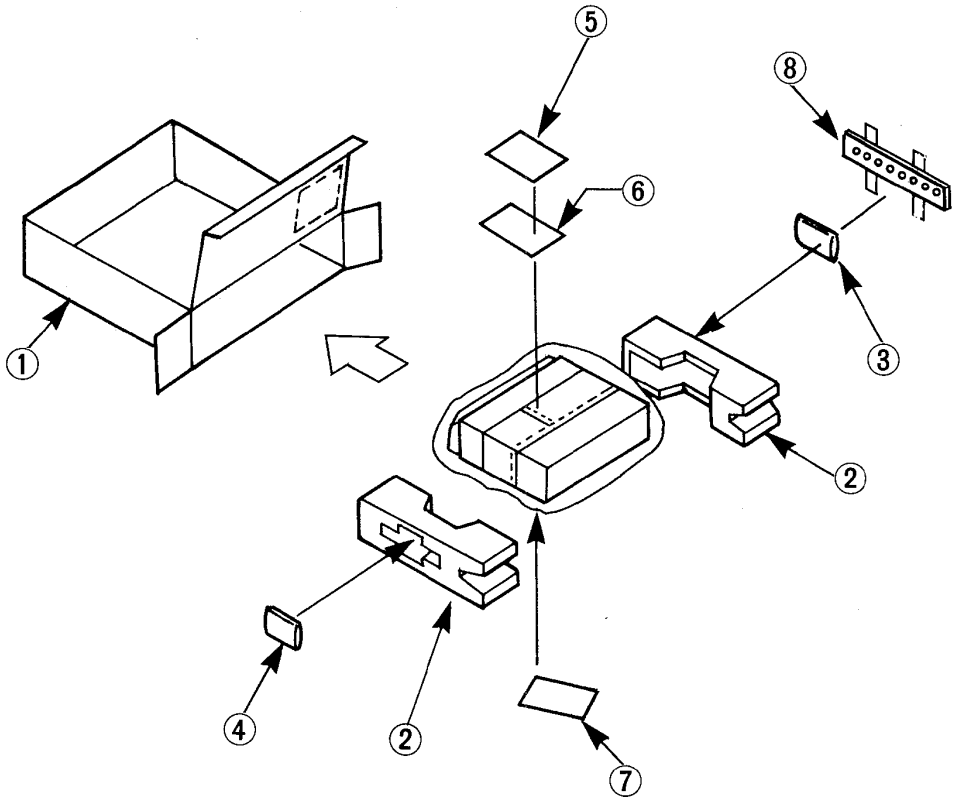
■ Numbers in ○ are indicated REF.No. in the REPLACEMENT PARTS LIST



Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
151 (2-A)	YEFX005969		Push Lever Spring	1	
152 (3-A)	YEFX0051291		Cassette Case Head Panel Spring E	1	
153 (3-A)	YEFX005971		Lift Up Lever Spring	1	
154 (3-A)	YEFX046770		Lift Up Lever B	1	
155 (3-B)	YEFX0212250		FF.REW Bracket	1	
156 (4-C)	YEFX0461032		REW Lever	1	
157 (4-C)	YEFX0461033		FF Lever	1	
158 (4-C)	YEFX0461034		Program Changer Plate	1	
159 (4-B)	YEFX0051292		FF.REW Lever spring	2	
160 (4-B)	YEFA01757		Case Lifter	1	
161 (4-B)	YEFX0461035		Pack Eject Plate Ass'y	1	
162 (4-A)	YEFX005973		Pack Eject Spring	1	
163 (4-A)	YEFX005974B		Turn Over Spring	1	
164 (4-A)	YEFX0461020		Pack Slider	1	
165 (4-B)	YEFX046776		Cassette Detecting Plate	1	
166 (4-B)	YEFX005975		Cassette Detecting Spring	1	
167 (4-A)	YEFA01758		Cassette Case	1	
168 (2-A)	YEFX046777		Timing Plate	1	
169 (2-A)	YEFX005976		Spring	1	
170 (4-A)	YEFS01404		Cushion Rubber	1	
171 (3-A)	YEFX0461036		Switch Bracket (SW3)	1	
172 (1-B)	YEFS02090		Cushion Felt	1	
173 (2-A)	YEJS06055		Camera Screw Flush 1.7×3.5	1	
174 (2-C)	YEJS06056		⊕ Screw w/washer 2.0×5	2	
175 (2-A)(2-B)	YEJS06099		Camera Screw, Flat 2.0×2.5	2	
176 (2-A)	YEJS06057		Camera Screw 2.0×2	1	
178 (2-C)(3-A)	YEJS06058		Camera Screw, Tapping 2.0×3	3	
179 (1-A)	YEJS06059		Camera Screw, Flat 2.0×3.5	2	
180 (4-B)	YEJS06060		Camera screw, Tapping 2.0×4	1	
181	YEJW05043		Polyslider 1.2×3.0×0.25	12	
182 (2-B)	YEJW05044		Polyslider 2.1×0.5×0.13	2	
183 (2-A)	YEJW05045		Polyslider 1.6×3.4×0.3	2	
184 (2-B)(3-C)	YEJW05046		Polyslider 2.1×5.0×0.4	2	
185 (4-B)	YEJS06075		Camera Screw 2.6×4.5	1	

Ref. No.	Part No.	Part Code	Part Name & Description	Pcs set	Remarks
186 (1-B)	YEJW04028		Polyslider 3.1×4.8×0.1	1	
187 (2-C)	YEJW05055		Polyslider 0.85×2.8×0.25	1	
188 (4-C)	YEJW05078		Polyslider 3.0×6.0×0.4	1	
189 (3-C)	YEJW05053		Polyslider 1.6×3.8×0.3	1	
190 (3-C)	YEFX014028		E Ring (B) Special 1.5	1	
191 (1-C)	YEFX014029		E Ring 1.2	1	
192 (4-B)	YEFX014030		E Ring 1.5	1	
193 (3-B)	YEFX014031		E Ring 2.0	1	
194 (3-B)	YEJS06103		⊕ Screw w/washer 2.0×8	1	
195 (2-A)(3-B)	YEJW05079		Polyslider 1.5×3.2×0.5	2	
196 (2-B)(3-B)	YEJW05080		Polyslider 1.8×3.2×0.2	2	
197 (2-A)	YEAP1802		Switch PCB	1	
199 (4-A)	YEFW07141		C Stopper	1	
200 (2-A)	YEJW05081		Polyslider 3.6×5×0.13	1	
201 (2-C)	YEJS06105		Camera Screw 2.0×3	2	
203 (4-A)	YEJS06102		Camera Screw 2.0×2.5	1	

PACKING PARTS LIST



- *Item numbers listed below should not order regular spare parts.* ***(not available)***

Item No.	Part No.	Part Name & Description	Q'ty	Remarks
①	YFU034C211CA	Inner Carton	1	Not available
②	YFU044C045ZA	Packing Pad R and L	1	Not available
③	YEFS014C002	Rubber Cushion	1	
	XVG5C25FXS	Hex. Bolt (5mmϕ × 25mm)	1	
	XNG5AFXS	Hex. Nut (5mmϕ)	2	
	XWAG5BFX	Spring Washer (5mmϕ)	2	
	XWC5CFX	Toothed Lock Washer (5mmϕ)	1	
	XWG5FX	Plain Washer (5mmϕ)	2	
④	YAJ024C020ZB	Power Cord Ass'y	1	
⑤	YEFM284C228ZA	Instruction Book (English, French)	1	
	YEFM284C229ZA	Instruction Book (Spanish)	1	
		Warranty Card (USA)	1	Not available
		Servicenter List (USA)	1	Not available
⑥		Warranty Card (CANADA)	1	Not available
		Servicenter List (CANADA)	1	Not available
⑦	YFC054C041ZA	Trim Plate	1	
⑧	YEFG044C002	Rear Support Strap	1	

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